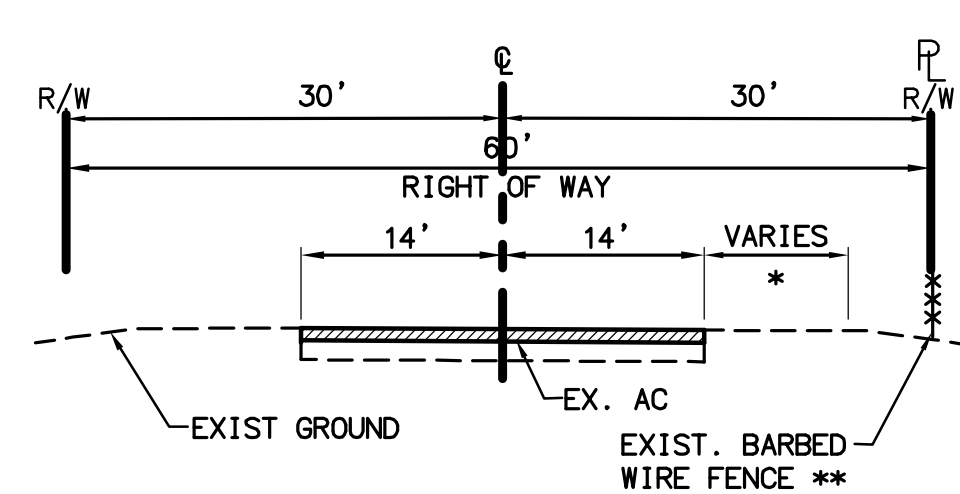


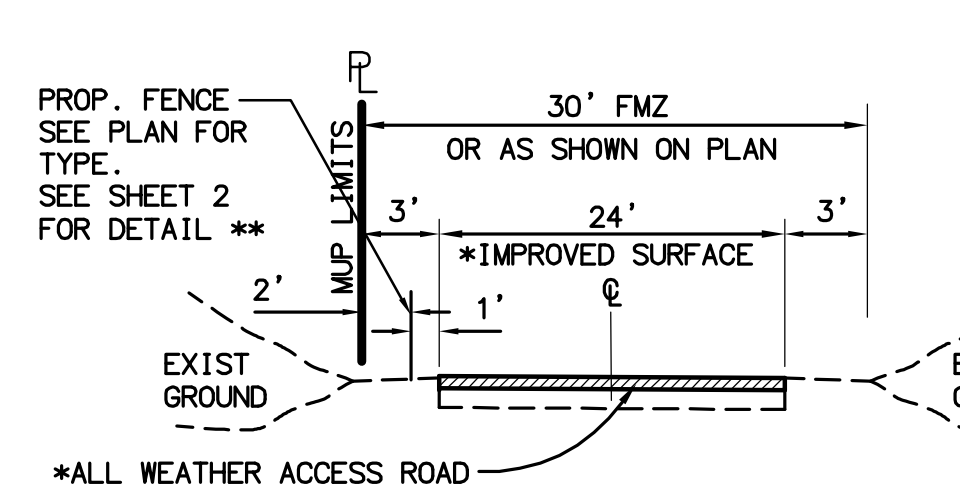
VICINITY MAP  
NOT TO SCALE



\* MAX. 10' WIDE CLEARED PATH, REDUCED WIDTHS WHEN NECESSARY TO AVOID EXISTING UTILITIES. NO GRADING OR IMPROVEMENTS PROPOSED.

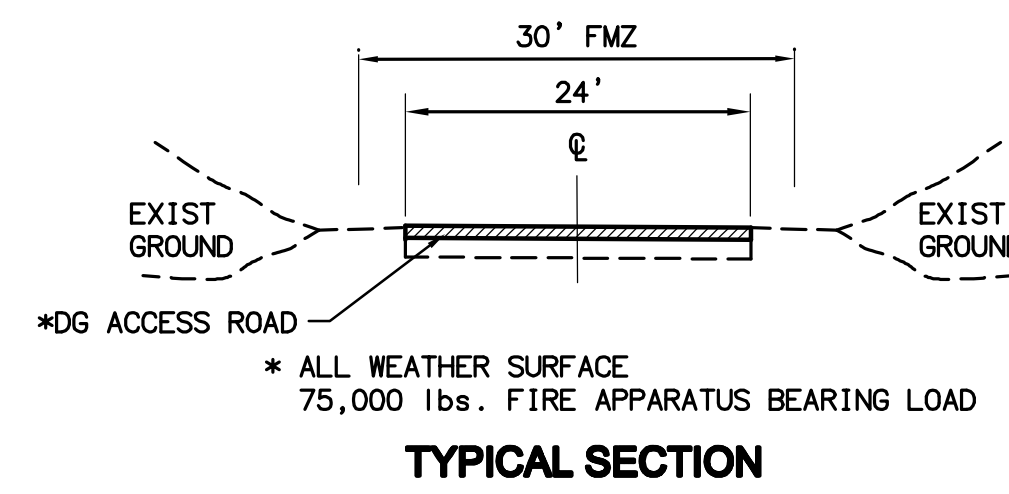
\*\* EXISTING FENCE ALONG WARNOCK DRIVE WITHIN RIGHT-OF-WAY WILL NEED TO BE ADJUSTED TO ACCOMMODATE THE CLEARED PATH.

TYPICAL SECTION  
RAMONA STREET / WARNOCK DRIVE  
NOT TO SCALE

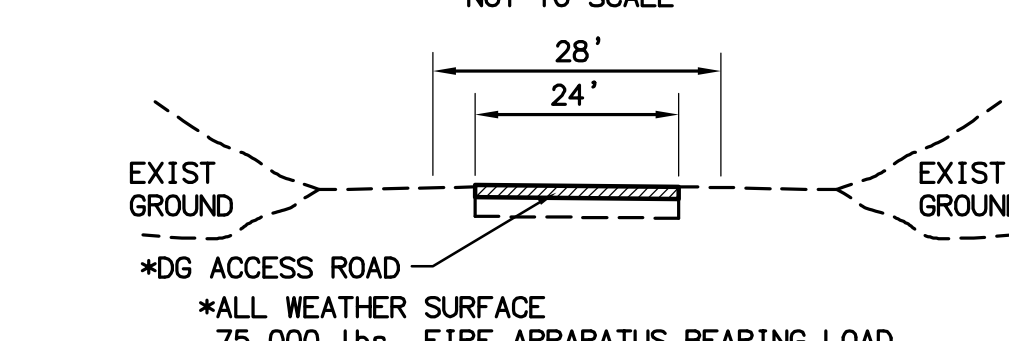


TYPICAL SECTION  
PERIMETER FIRE ACCESS ROAD  
NOT TO SCALE

\*TYPICAL LOCATION UNLESS SHOWN OTHERWISE ON PLOT PLAN.  
\*\*FOR LOCATION OF 8" VINYL COATED FENCE, 8" CHAINLINK FENCE AND FIELD FENCE SEE PLOT PLAN.



TYPICAL SECTION  
INTERNAL FIRE ACCESS ROAD  
NOT TO SCALE



TYPICAL SECTION  
ACCESS ROAD  
NOT TO SCALE

## SAN DIEGO GAS & ELECTRIC PERMISSION TO GRADE AND CONSTRUCT IMPROVEMENTS

PERMISSION IS HEREBY GRANTED TO SOL ORCHARD (PERMITTEE), TO GRADE AND CONSTRUCT IMPROVEMENTS AS SHOWN ON THESE PLANS WITHIN SAN DIEGO GAS & ELECTRIC COMPANY'S EASEMENT(S) SUBJECT TO THE FOLLOWING CONDITIONS:

- SUBMITTALS:
  - 1.1. PERMITTEE AGREES TO SUPPLY SDGE WITH 'AS BUILT' GRADING, IMPROVEMENT AND PROFILE PLANS TO SDGE SPECIFICATIONS, IF REQUESTED.
  - 1.2. PERMITTEE AGREES TO SUBMIT FOR REVIEW AND APPROVAL A BLASTING PLAN PRIOR TO BLASTING, IF BLASTING IS REQUIRED.
- PRE-CONSTRUCTION MEETINGS: SDGE'S LAND MANAGEMENT REPRESENTATIVE (LMR) MUST BE INVITED WITH AT LEAST THREE (3) WORKING DAYS PRIOR NOTICE.
- GRADING:
  - 3.1. AT LEAST TWENTY-FOUR (24) HOURS NOTICE MUST BE GIVEN TO SDGE'S LMR BEFORE START OF WORK.
  - 3.2. FIELD CHANGES TO PLANS WITHIN SAID EASEMENT SHALL BE APPROVED IN WRITING BY SDGE LMR.
  - 3.3. PERMITTEE IS RESPONSIBLE TO CALL DIG ALERT AT 811 FOR ALL UNDERGROUND MARK-OUT LOCATIONS.
  - 3.4. CLEARANCE OF (35) FEET MINIMUM BETWEEN THE SDGE ELECTRIC TRANSMISSION WIRES AND THE NATURAL GROUND SHALL BE MAINTAINED ON ANY GIVEN DAY, NOTING LINE SAGS VARY DEPENDING ON AMBIENT TEMPERATURE AND LINE CURRENT. ALL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO OSHA, CAL-OSHA, ANSI, NIOSH, AND NEC FOR CLEARANCES WHEN WORKING AROUND ENERGIZED ELECTRICAL FACILITIES MUST BE MAINTAINED.
  - 3.5. NO GRADING SHALL BE ALLOWED WITHIN TEN (10) FEET OF A SINGLE WOOD POLE STRUCTURE OR ANCHOR, WITHIN FIFTEEN (15) FEET OF MULTI-WOOD POLES, WITHIN TWENTY (20) FEET OF STEEL LATTICE TOWERS OR WITHIN THIRTY (30) FEET OF STEEL POLES.
  - 3.6. SDGE RESERVES THE RIGHT TO INSPECT AND PERFORM QUALITY CONTROL WORK DURING CONSTRUCTION.
- SPECIAL CONDITIONS:

- EROSION CONTROL:
  - 5.1. ALL DISTURBED AND CREATED SLOPES, WITHIN THE SDGE TRANSMISSION EASEMENT, SHALL BE HYDRO-SEEDING OR PLANTED BY PERMITTEE WITH AN SDGE APPROVED MIX.
  - 5.2. ALL DRAINAGE SHALL BE DESIGNED TO PREVENT EROSION OF SDGE EASEMENT AND ACCESS ROADS.
- STORAGE: THIS PERMISSION TO GRADE LETTER DOES NOT PERMIT STORAGE OF EQUIPMENT, MATERIALS, DIRT OR DEBRIS ON THE EASEMENT OR SDGE FEE OWNED PROPERTY.
- ACCESS:
  - 7.1. ACCESS TO ALL SDGE FACILITIES SHALL BE MAINTAINED AT ALL TIMES. ALL COSTS ASSOCIATED WITH RESTORATION OF ACCESS AND ALL ASSOCIATED DAMAGES SHALL BE BORNE BY PERMITTEE.
  - 7.2. ALL GATES SHALL PROVIDE FOR SDGE ACCESS BY PADLOCK, LOCK-BOX OR KEYED BYPASS BOTH DURING AND UPON COMPLETION OF CONSTRUCTION. LOCATION AND CONSTRUCTION OF GATES TO BE APPROVED BY SDGE LMR.
- OUTSTANDING AGREEMENTS: PERMITTEE AGREES TO PAY FOR, SIGN AND/OR HAVE SIGNED ALL OUTSTANDING AGREEMENTS, CONSENT TO USE LAND AGREEMENTS AND/OR JOINT USE AGREEMENTS BETWEEN SDGE AND OWNER OR PUBLIC AGENCIES WHO ENDOORSE UPON THE SDGE EASEMENTS. SAID AGREEMENTS WILL BE SUBJECT TO THE REVOCABILITY CLAUSE AS STATED IN THE CALIFORNIA PUBLIC UTILITIES COMMISSION GENERAL ORDER 69-C AS SHOWN ON WEB SITE: [HTTP://WWW.CPUC.CA.GOV/PUBLISHED/GRAPHICS/645.PDF](http://www.cpuc.ca.gov/PUBLISHED/GRAPHICS/645.PDF).
- INDEMNIFICATION:
  - 9.1. PERMITTEE AGREES TO ASSUME ALL RISK OF LOSS, DAMAGE TO PROPERTY AND/OR INJURY AND/OR DEATH TO PERSONS, AND TO INDEMNIFY AND HOLD SDGE HARMLESS FROM ANY AND ALL LIABILITY IN ANY WAY ARISING FROM THE PROPOSED GRADING OR CONSTRUCTION OF IMPROVEMENTS.
  - 9.2. SDGE SHALL NOT BE RESPONSIBLE IN ANY MANNER FOR ANY MAINTENANCE OR REPAIR OF THE PROPOSED GRADING OR IMPROVEMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, DRAINAGE AND/OR EROSION PROBLEMS OR DAMAGE CAUSED TO IMPROVEMENTS THAT WERE NOT CONSTRUCTED TO TAKE THE WEIGHT OR ACTIVITIES OF VEHICLES AND EQUIPMENT OWNED BY OR WORKING ON BEHALF OF SDGE.
- TERMS AND CONDITIONS: THE TERMS AND CONDITIONS OF THIS APPROVAL SHALL BENEFIT AND BIND PERMITTEE ITS SUCCESSORS, ASSIGNS, AGENTS OR CONTRACTORS.
- CONTACT: BRIAN SWANSON 858-654-1249

## LEGEND:

PROPERTY BOUNDARY	---
MAJOR USE PERMIT BOUNDARY	---
EXISTING EASEMENT	---
EXISTING GRADING	(1445)
PROPOSED CONTOUR	1460
PROPOSED SPOT GRADE	X 1429
PROPOSED RETAINING WALL	---
EX. 6" CHAINLINK FENCE	X-X-X
PROP. 8" CHAINLINK FENCE	X-X-X
PROP. 8" VINYL COATED CHAINLINK FENCE	X-X-X
PROP. 3" FIELD FENCE	X-X-X
PROPOSED ACCESS GATE-24" WIDE	---
PROPOSED PED. GATE-4" WIDE	---
DIRECTION OF FLOW	2%
EX. DG ROAD (9'-19')	---
EX. PAVEMENT	---
PROP. 24" (VARIES) DG FIRE ACCESS ROAD-ALL WEATHER (10% MAX)	---
EXISTING BUILDING	---
EX. OVERHEAD POWERLINE	DHL
EX. POWER POLE	---
EX. FIRE HYDRANT	---
EX. WATER WELL (1)	---
EX. MONITORING WELL (3)	---
PROP. INVERTER/TRANSFORMER PLATFORM	---
PROP. PV PANEL BLOCK SINGLE AXIS TRACKER	---
SUBJECT TO INUNDATION BY THE 100-YEAR FLOOD	---
WATER SURFACE ELEVATION	WSE
TOP OF WALL	TW
BOTTOM WALL	BW

## SUMMARY OF LID/SITE DESIGN BMPs

- PRESERVE NATURAL AREAS
- MINIMIZE DISTURBANCE TO NATURAL DRAINAGE AREAS
- MINIMIZE & DISCONNECT IMPERVIOUS SURFACES
- MINIMIZE SOIL COMPACTION
- UNMANNED FACILITY, PERSONNEL WILL ONLY BE ONSITE IN THE EVENT OF REQUIRED MAINTENANCE ACTIVITIES

## IMPERVIOUS SURFACES TABLE

ITEM DESCRIPTION	TOTAL AREA	UNIT
INVERTER / TRANSFORMER PLATFORM	0.07	AC
FOOTING FOUNDATION	0.20	AC
EXISTING PAVED DRIVEWAY	0.28	AC
<b>TOTAL</b>	<b>0.55</b>	<b>AC</b>

## EXISTING EASEMENTS\*

DESCRIPTION	DISPOSITION
SDGE EASEMENT	A PORTION TO REMAIN
SDGE EASEMENT	TO REMAIN

\* BASED ON DATA FROM PRELIMINARY TITLE REPORT BY FIRST AMERICAN TITLE INSURANCE COMPANY UNDER ORDER NO. NCS-507931 DATED SEPTEMBER 26, 2011.

## ASSESSOR PARCEL NUMBER/TAX RATE AREA

283-083-07 TRA 65010

## LEGAL DESCRIPTION

THAT PORTION OF BLOCK 454 OF RAMONA, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA; ACCORDING TO THE MAP THEREOF NO 644, FILED IN THE OFFICE OF THE RECORDER OF SAN DIEGO COUNTY, OCTOBER 15, 1880.

## APPLICANT

SOL ORCHARD, LLC  
PO Box 222416  
Coronel, CA 92023  
(831) 659-8200  
CONTACT: WILL PRICHARD

## OWNER

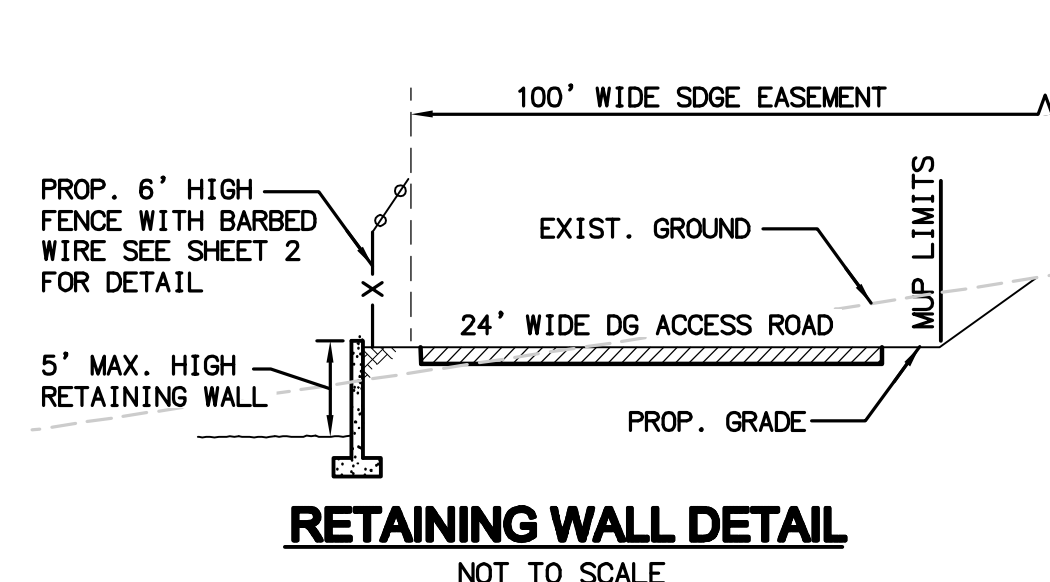
MARK & ELISE BOUSEMA  
14055 OLD SAN PASQUAL RD  
ESCONDIDO, CA 92025

## San Diego Gas & Electric Company

Reviewed By: *Brian Swanson* Date: *Mar 15, 2011*  
Molly Dana or  
Brian Swanson  
Land Management Representative  
Valid for 18 months from date of signature

## NOTES

- GROSS AREA: 110 ACRES
- MUP AREA: 42.7 ACRES
- TOPOGRAPHIC SOURCE: INTERMAP, FLOWN 2005
- THIS PLAN IS PROVIDED TO ALLOW FOR FULL AND ADEQUATE DISCRETIONARY REVIEW OF A PROPOSED DEVELOPMENT PROJECT. THE PROPERTY OWNER ACKNOWLEDGES THAT ACCEPTANCE OR APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN APPROVAL TO PERFORM ANY GRADING SHOWN HEREON, AND AGREES TO OBTAIN VALID GRADING PERMITS BEFORE COMMENCING SUCH ACTIVITY.
- PROPOSED SLOPE RATIOS: 2:1
- ALL DISTURBED AREAS WOULD BE COVERED WITH PERMEABLE DUST/EROSION CONTROL AGENT.
- AVERAGE SLOPE: 2.5% - NO RPO STEEP SLOPES ONSITE.



RETAINING WALL DETAIL  
NOT TO SCALE

## SUMMARY OF SOURCE CONTROL BMPs

- EQUIPMENT CLEANING (SOLAR PANELS, NOT VEHICLES OR OTHER MECHANICAL EQUIPMENT) WILL BE TERMINATED PRIOR TO CAUSING RUNOFF

## TOPOGRAPHY AND GRADING

VOLUME OF CUT/FILL:	2,400 CY
EXPORT/IMPORT:	2,400 CY
MAX CUT:	1.5/1 5 FEET
MAX FILL:	2/1 5 FEET

MAXIMUM SITE RETAINING WALL HEIGHT: 5' (300 L.F.)

TOTAL DISTURBED AREA BEFORE PROJECT: 42.7 AC

TOTAL DISTURBED AREA AFTER PROJECT: 42.7 AC

TOTAL IMPERVIOUS AREA BEFORE PROJECT: 0.28 AC

TOTAL IMPERVIOUS AREA AFTER PROJECT: 0.55 AC

## SOL ORCHARD - RAMONA PHOTOVOLTAIC SOLAR FARM COUNTY OF SAN DIEGO, CA PRELIMINARY GRADING PLAN & RPO SLOPE MAP

MUP 11-029, ENV. LOG NO. 11-09-009

FEB. 21, 2012  
SHEET 1 OF 1



PLANNING DESIGN CONSTRUCTION

9795 CLAYMONT MESA BOULEVARD, SUITE 100  
SAN DIEGO, CALIFORNIA 92124-1024  
954.94.0000 FAX 954.94.0001 WWW.RBF.COM